

P/038/62/007/001/002/003

EL93/E383

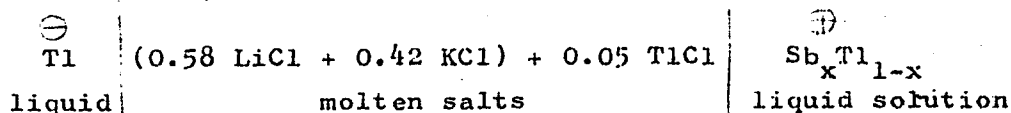
18.7540

AUTHORS: Kundys, Emil, Terpiłowski, Janusz and Josiak, Jerzy

TITLE: Thermodynamic properties of liquid metallic solutions.
IX. The Sb-Tl system

PERIODICAL: Archiwum hutnictwa, v. 7, no. 1, 1962, 39 - 46

TEXT: The object of the present investigation was to study thermodynamic properties of liquid Sb-Tl solutions. To this end, the e.m.f. of reversible concentration cells of the type:



was measured. A linear temperature-dependence of the e.m.f. was observed in every case. The other results are reproduced in Table 1. Changes of partial molar thermodynamic potentials (ΔG_{Tl} , ΔG_{Sb}), entropy (ΔS_{Tl} , ΔS_{Sb}) and enthalpy (ΔH_{Tl} , ΔH_{Sb})

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Thermodynamic properties

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were calculated from these data as well as the activities (a_{Tl} , a_{Sb}), activity coefficients (f_{Tl} , f_{Sb}) for Tl and Sb, and changes of the thermodynamic potential (ΔG), entropy (ΔS) and enthalpy (ΔH) of their solutions. As will be seen from Fig. 4, where a_{Sb} and a_{Tl} are plotted against Tl concentration (N_{Tl}) at 650 °C, the activity isotherms for both metals show a negative deviation from Rault's law. The enthalpy of the solution is negative for the entire concentration range, reaching a value of -490 cal/g.atom at the Tl-rich end. The asymptotic character of curves for the enthalpy of the solution and for partial molar enthalpy of the components can probably be attributed to the existence of an intermediate γ -phase in the system studied. As shown in Fig. 2 (where ΔS_{Tl} , ΔS_{Sb} and ΔS (cal/°C) are plotted against N_{Tl} - the broken curves relating to ideal solutions), changes of partial molar entropy of the components and entropy of the solution for the entire

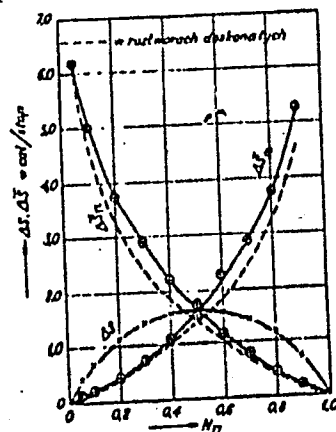
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Thermodynamic properties

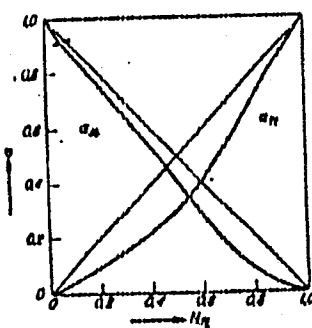
concentration range were found to be higher than those of an ideal solution. This effect is probably associated with relatively large volume changes accompanying the formation of liquid solutions and with the difference in atomic volume of both components. There are 4 figures and 4 tables.

Fig. 2:



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Fig. 4:



Thermodynamic properties

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Table 1: Key 1 --Lp.= No. 2 - Temperature range of the measurement, °C.

① l.p.	N_{Ti}	E_{440}° mV	$\frac{dE}{dT}$ mV/100°	Zakres temp- ratur pomia- rów °C ②
1	2	3	4	5
1	0,050	317,5	26,8	620—700
2	0,100	253,1	21,7	590—680
3	0,200	192,2	16,3	550—700
4	0,300	151,9	12,7	510—690
5	0,400	120,8	9,6	460—690
6	0,500	96,8	7,4	410—690
7	0,600	71,0	4,9	400—690
8	0,700	48,6	3,4	400—690
9	0,800	26,2	2,1	400—690
10	0,900	12,4	1,0	400—690

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TER. ILOWSKI, Janusz; JOSIAK, Jerzy

EMF measurements of concentration cells as used in thermodynamic research on melted salt solutions; $PbCl_2$ in the fused $PbCl_2-KCl$ system. *Rocz chemii* 38 no. 1:97-103 '64.

1. Department of Inorganic Chemistry, Division of Pharmacy,
School of Medicine, Wrocław.

JOSIC ~~Yosich~~

YUGOSLAVIA/Chemical Technology - Dyeing and Chemical
Processing of Textiles.

H-34

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 41948

Author : Yosich.

Inst : -

Title : Processing of Textile from Hemp.

Orig Pub : Tekstil, 1956, No 7, 535-598

Abstract : Hemp fiber possesses a low elasticity and its elemental fibers do not exceed the length of 10-15 mm, and therefore the processing should not have them damaged. The elasticity can be increased by boiling and incomplete (to 35-50%) bleaching. The pulping bath contains NaOH, sp. gr. 1.357 (5.5% in regard to fiber weight), Na₂SO₃ (5%), liquid glass 74° Be (1%), and an emulgator (1.2%). The process proceeds without pressure for 4 hours. The degree of fiber purification can be evaluated by the loss in weight which should not exceed 13.5%.

0-1 1/2

JOSIF, J.

"The Correct Economy of Alloying Metals." p. 160 (Hutník, Vol. 3, no. 7/8, Aug. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

JOSIF, Z.

One hundredth anniversary of blast furnaces Kladno. p. 157.
(HUTNIK, vol. 5, no. 5, May 1955, Praha)

SO: Monthly List of East European Accession, (KEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

ROKHOVANSKIY, O. [Rochovansky, O.]; IOZIFEK, R. [Jozifek, R.]; SOVA, B.,
inzh.; SHKOP, Yaroslav Frantsevich, [translator]; GENIN, M.Ya., inzh.
mauchnyy red.; DEMINA, G.A., red.; RAKOV, S.I., tekhn.red.

[Manual for plumbers on the installation of water, gas, and
waste-disposal systems] Slesar'-santekhnik po montashu vodo-
provoda, kanalizatsii i gasoprovoda; uchebnik dlia vtorogo
goda obucheniia] Translated from the Czech. Moskva, Vse.
uchebno-pedagog.izd-vo Trudrezervizdat, 1958. 205 p. (MIRA 11:12)
(Plumbing)

JOSIFEK, S.									
PROCESSING AND PROPERTIES INDEX									
<p>Selection of Welding Machines for Lime-Coated Electrodes and Influence of the Machine on the Penetration Depth of the Weld. S. Josifek. (Svarovani, 1950, vol. 10, Feb., pp. 2-9). In Czech. Experiments have been carried out to determine the suitability of various types of welding generator for arc welding with deep penetration using lime-coated electrodes. The results obtained are given in tables, graphs, oscillograms, and photographs of sections of welds showing the depth of penetration. — E. G.</p>									
J-12									
<p>ASS-31A METALLURGICAL LITERATURE CLASSIFICATION</p>									
<p>FROM SYNTHESE</p>									
<p>FROM SYNTHESE</p>									

22043

24.5700 (1035, 1043, 1143, 1469)

S/181/61/003/004/009/030
B102/B214

26.1632

AUTHORS: Gelberg, A., Josifescu, R., and Compa, G.

TITLE: The ferromagnetic anomaly of the work function of nickel

PERIODICAL: Fizika tverdogo tela, v. 3, no. 4, 1961, 1074-1078

TEXT: An experimental investigation of the temperature dependence of the work function is one of the possibilities of verifying the solid-state theory. This is of particularly great interest when the temperature dependence of the work function possesses an anomaly. S. V. Vonsovskiy developed a theory of the photoelectronic and thermionic emission of ferromagnetic substances and came to the conclusion that the work function depends on the existence of a spontaneous magnetization. This dependence must lead to a change of the temperature coefficient of the work function in passing through the Curie point. This is investigated in the present paper. According to the Vonsovskiy theory based on the exchange interaction of d- and s-electrons, the work function is given by

$\phi = V - \mu(1 + \delta_1 y^2)$, where V is the height of the potential barrier on the

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The ferromagnetic anomaly ...

metal surface without spontaneous magnetization, μ the chemical potential, y the relative magnetization, and δ_1 a coefficient depending on the exchange integrals. Near the Curie point $y \sim \sqrt{\theta - T}$. The temperature coefficient of the work function is given by

$$\frac{d\phi}{dT} = \frac{d}{dT} (V - \mu) - \delta_1 \mu \frac{d}{dT} (y^2) - \delta_1 y^2 \frac{d\mu}{dT} \text{ or, approximately, by}$$

$\frac{d\phi}{dT} = \frac{d\phi_0}{dT} - \delta_1 \mu \frac{d}{dT} (y^2)$; $d\phi/dT$ is the temperature coefficient of the work function in the absence of spontaneous magnetization. From this one obtains

$$\frac{d\phi}{dT} = \begin{cases} \frac{d\phi_0}{dT} & \text{for } T > \theta, \\ \frac{d\phi_0}{dT} + \delta_1 \mu a & \text{for } T < \theta \end{cases} \quad (5), \text{ where } a = d(y^2)/dT \text{ is a constant}$$

quantity in the neighborhood of θ . $d\phi/dT$ suffers a jump when passing through the Curie point. Now, the temperature dependence of the work function is investigated in a wide temperature range containing the Curie point, and the results of the Vonsovskiy theory are compared with experimental results. The authors applied the method of displacement of

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The ferromagnetic anomaly ...

the characteristics into the region of the primary currents. The anode (target) of the tube consisted of polycrystalline nickel and was bombarded with the beam of an electron gun. The following relation holds in the region of the primary currents: $\ln I_a = \text{const} + (eU_A - \phi_A)/kT_K$, where I_a is the electron current striking the anode, T_K the cathode temperature, U_A the potential difference between the cathode and the target, and ϕ_A the work function of the target. For $T_K = \text{const}$ a change of ϕ_A leads to a displacement of the characteristic along the potential axis by $e\Delta U_A$. Therefore, $\Delta\phi_A = e\Delta U_A$. If the temperature is the changing parameter, the temperature dependence of the electrochemical potential $\bar{\mu}$ must be taken into consideration. One obtains: $\Delta\phi_A = e\Delta U_A - \Delta\bar{\mu}_A$, where $\Delta\bar{\mu}_A$ is the correction for the change of $\bar{\mu}$. The temperature coefficient of the work function is thus given by $\frac{d\phi_A}{dT_A} = e \frac{dU_A}{dT_A} - \frac{d\bar{\mu}_A}{dT_A}$. The figure shows the results of experiments with (b) and without (a) compensation of the

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The ferromagnetic anomaly ...

geomagnetic field. The jump of the temperature coefficient in passing through the Curie point is thus given by

$$\left\langle \left(\frac{d\psi_A}{dT_A} \right)_{T < \theta} - \left(\frac{d\psi_A}{dT_A} \right)_{T > \theta} \right\rangle = (-0.99 \pm 0.17) \cdot 10^{-4} \text{ en/K.}$$

The jump amounts to about 20% of the value of the coefficient for $T > \theta$. Thirty-six measurements were carried out with two samples of 99.98% pure nickel during a few months. The results agree well with theory and show that $\delta_1 < 0$. The authors thank Professor Khoriya Khulubey for interest. There are 1 figure and 14 references: 11 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION: Institut atomnoy fiziki Akademii nauk Rumynskoy Narodnoy Respubliki Bukharest (Institute of Atomic Physics of the Academy of Sciences of the People's Republic of Rumania, Bucharest)

SUBMITTED: June 28, 1960 (initially), August 30, 1960 (after revision)

Card 4/5

JOSIFKO, Marcel (Praha)

"The theory of selection probability and selection methods"
by Jaroslav Hajek. Reviewed by Marcel Josifko. Cas pro pes
mat 87 no.1:104-105 '62.

CZECHOSLOVAKIA

KOTASEK, A., Prof. MD., DrSc; STRAKOVA, M., MD; JOSIFKO, M., Mg. Mat.

1. First Obstetrical-Gynecological Clinic of the Faculty of General Medicine of KU (I. porodnicko-gynekologicka klinika fakulty vseobecneho lekarstvi KU); 2. ~~Children's~~ Children's Clinic of the Faculty of Children's Medicine (Detska klinika fakulty ~~detskeho~~ detskeho lekarstvi KU), Prague; 3. Chair of Mathematical Statistics of the Mathematical Faculty (Katedra matematicke statistiky ~~matematickeho~~ matematicko-fyzikalni fakulty KU), Prague

Prague, Prakticky ~~lekar~~ lekar, no 19, 1963, pp 727-728

"Height and Weight of Children with Mothers Suffering from Late Stages of ~~E~~ Gestosis."

JOSIFOV, Josif

Morphology, topography and composition of the hypoglossal canal.
God.Zborn.Med.Fak.Skopje no.10:143-153 '63.

1. Institut za anatomija na pedicinskiot fakultet vo Skopje
(v.d. direktor prof. d-r L. Melkonian).

JOSIFOV, M.

JOSIFOV, M. Report on Hemiptera. In German. p. 461. Vol. 4/5, 1955
IZVESTILA., Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

BULGARIA / General and Specialized Zoology. Insects. Morphology. P

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73501

Author : Josifov, M.

Inst : Zoological Institute, Bulgarian AS

Title : The Macropter Form of the Insect *Diomphalus hispidulus*,
Fieb. (Hem. Het.)

Orig Pub : Izv. Zool. in-t Bolg. AN, 1957, kn. 6, 581-584

Abstract : No abstract given

Card 1/1

JOSIFOVIC, dr.

The place of railroads in the transportation system of Yugoslavia and abroad. (To be contd.) Medun transp 7 no.9:839-842 S '61.

JOSIFOVIC, Dorde

Influence of the operation of a railway track on the economy of
work on other tracks. Zeleznice Jug 20 no. 2:1-6 '64.

JOSIFOVIC, Dorde; BIBIC, Milorad

Transport expenses of industries, and irrational movement of freight traffic, Pt.1. Zeleznice Jug 20 no.4:1-6 Ap '64.

JOSIFOVIC, Dorde; BIBIC, Milorad

Transport expenses of industries , and irrational movement of
freight traffic. Pt.2. Zeleznice Jug 20 no.5:1-8 Ny '64

JOSIFOVIC, M.; STOJANOVIC, D.

A new case of hyperparasitism in mushrooms. Bul sc nat SANU
32 no.9:63-72 '63.

1. Submitted April 9, 1961.

JOSIFOVIC, M

"Immunity in Plants", p. 51, (NAUKA I PRIRODA) Vol. 6, No. 2, 1953.
Beograd, Yugoslavia.

SO: Monthly List of East Accessions, L.C. Vol. 3, No. 4, April 1954

JOSIFOVIC, M

"Symbiosis and Antisymbiosis in The World of Microorganisms.", p. 329
(NAUKA I PRIRODA) (Vol.6, No. 8, 1953, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions L.C. Vol. 3, No. 4, April 1954

JOSIFOVIC, Mladen; MIRIC, M., inz.

Helminthosporium carbonum Ullstr., a new maize parasite
in Yugoslavia. Glas SANU 12 no.2:281 '60 [publ.'62].

1. Dopisni clan Srpske akademije nauka i umetnosti, Beograd.

JOSTFOVIA, I.

"Aeclostage in Tranzschelia prunispinosa(Pers.) diet. p. 203, (GLMS, Vol. 6,
No. 210, 1953, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, (Lent), LG, Vol. 4, No. 4,
Apr 1955, Uncl.

COUNTRY : YUGOSLAVIA
CATEGORY : Plant Diseases. Diseases of Cultivated Plants 0
ABS. JOUR. : RZhBiol., No. 23 1958 No. 105026
AUTHOR : Josifovich, M.
INST. : ~~Pol'soprivreda~~
TITLE : Polystigma rubrum and Puccinia prunispinosae - Causal
Agents of a Dangerous Plum Disease in Yugoslavia.
ORIG. PUB. : Pol'soprivreda, 1957, 5, NO. 1, 54-56
ABSTRACT : No abstract.

CARD: 1/1

18

JOSIFCVIC, M.

JOSIFOVIC, M. Resistance of bolts in wood for mixed construction of airplanes with regard to the admitted or maximum compression. p. 165.

No. 45, 1955
ZEORNIK RADOVA
Beograd, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956

700/3983

REMARKS: This collection of reports promotes the use of electric and electronic devices in modernizing industrial plants. It is intended for management and technical personnel of Bulgaria's industry.

[illegible]

Balluff, Vladimir, Doctor, Doctor, Department of Electrical Engineering, Faculty of Engineering, Components and Equipment for Industrial Processes.

The author describes the principles of measuring devices used in various industrial processes. There are 7 references; 6 German and 1 English.

See English.

See also 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 3844, 3845, 3846, 3847, 3848, 3849, 3850, 3851, 3852, 3853, 3854, 3855, 3856, 3857, 3858, 3859, 3860, 3861, 3862, 3863, 3864, 3865, 3866, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 3876, 3877, 3878, 3879, 3880, 3881, 3882, 3883, 3884, 3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3894, 3895, 3896, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990, 3991, 3992, 3993, 3994, 3995, 3996, 3997, 3998, 3999, 4000.

**Spiethke, Elmer, Engineer, and Bureau Millionaire; and
O'Brien, Frank, Buysa, John. Mobile Military Radio Equipment.**

The author describes circuit and apparatus for transmitting, receiving, and relaying radio signals, radio relays, and telephone transmitters, and radio modulation systems. There are 7 references, 6 English and 1 Spanish.

Collins, Henry, Engineer, Electrical Engineering Department, Cornell University.
Radio Wave in Medium-Frequency Heating System.
The author describes principles of inductive heating, its application, and necessary equipment.

Balluff, Baden, Neola Villa Plant, Decord. Application of Ultrasonics in Machining Hard Metals. The author describes the principles of applying ultrasonics and methods for machining hard metals. Some examples of the process are given. There are 4 references; 2 German, 1 British, and 1 English.

The author describes the utilization of plastics in electronics and the types and characteristic features of plastics used in electronics. There are 4 references: 3 English and 1 German.

Kind, Edw., *Enduseer. Application of Electronic Atomic Control in Fabrication of Welding Machines*. The author describes principles and application of the welding process. There are 9 references: 4 English, 3 German, and 2 French.

JOSIMOVIC, D.

Reports for the second session on high dams. p. 510.
TEHNIKA, Beograd, Vol. 10, no. 4, 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

JOSIMOVIC, Dusan, ing. (Beograd, Cetinjska 9)

Inland water and harbor transportation technique. Vodoprivreda Jug
2 no.4/5:136-138 '59. (EEAI 9:10)

(Yugoslavia--Inland water transportation)

(Yugoslavia--Harbors)

JOSIMOVIC, Dusan, civ, eng.

The function of storage in Mksicko Polje. Saepr Inst vodopr Cerni
9 no.22:19-27 '62.

JOSIMOVIC, Ivan

The parathyroid gland and gastroduodenal ulcer --- Apropos of
2 cases. Srpski arch. celok. lek. 91 no.11:1059-1062 N°63

1. Hirursko odeljenje Opste bolnice u Bijeljini; sef: dr. Ivan
Josimovic.

*

JOSIMOVIC, Ivan

Case of sarcoma of the ovary during puberty. Srp arhiv lekar 82
no.2:263-266 F '54. (KHAL 3:7)

1. Hirursko odeljenje Gradske bolnice u Prizrenu, ser: dr.
Lucijano Motroni. (Rad je Urednistvo primilo 26-V-1953 god.)
(OVARIES, neoplasms (SARCOMA,
*sarcoma, in puberty) *ovaries, in puberty)

JOSIMOVIC, Ivan.

Sarcoma of the ileum and bladder. Spr arhiv lekar 82 no.3:408-411
Mr '54. (HEAL 3:6)

1. Hirursko odeljenje Opste bolnice u Prizrenu, sef: dr. Lucijano
Motroni. (Rad je Urednistvo primilo 20-VIII-1953 god.)

(ILEUM, neoplasms

(BLADDER, neoplasms

*sarcoma)

*sarcoma)

(SARCOMA

*bladder & ileum)

JOSIMOVIC, Ivan, dr.

Two cases of echinococcosis of the spleen. Srpski arh. celok lek.
82 no.9:1149-1152 Sept 54.

1. Hirursko odeljenje Opste bolnice u Prizrenu, sef dr. Lucijano
Motroni.

(ECHINOCOCCOSIS

spleen, surg.)

(SPLEEN, dis.

echinococcosis, surg.)

JOSIMOVIC, Ivan Dr.

Two cases of lumbar hernia. Sprski arh.celok.lek.87 no.10:1193-1195.
Oct.54

1. Hirursko odeljenje Opste bolnice u Prizrenu. Sef:dr Lucijano
Motroni.

(HERNIA,
lumbar, case reports)

JOSIMOVIC, I.

Surgical form of gastric tuberculosis. Srpski arh.celok.lek. 83
no.1:93-98 Jan '55.

1. Hirursko odelenje Opste bolnice u Prizrenu. Sef.:dr. Lucijano
Motroni.

(TUBERCULOSIS, GASTROINTESTINAL, pathol.
pseudocancerous form. surg.(Ser))

JOSIMOVIC, I.

Spontaneous rupture of the stomach. Srpski arh. celok. lek. 83
no. 2: 249-253 Feb. '55.

1. Hirurako odeljenje Opste u Priroenp Sefdr. Lucijano Motroni.
(STOMACH, rupt.
spontaneous, caused by over-eating(Ser))

JOSIMOVIC, Ivan

A large foreign body in the frontal lobe of the brain causing a well-marked prefrontal syndrome. Srpski arh. celok. lek. 83 no.5-6:683-688 May-June 55.

1. Hirursko odeljenje Opste bolnice u Prizrenu. Sef: Lucijano Motroni.
(FOREIGN BODIES,
brain frontal lobe, surg. causing prefrontal synd. (Ser))
(BRAIN, dis.
prefrontal synd. after frontal lobe surg. for large
foreign body (Ser))

JOSIMOVIC, Ivan

Diabetes insipidus posttraumaticus. Srpski arh. celok. lek.
83 no.9:1030-1033 Sept 55.

1. Hirursko odeljenje Opste bolnice u Priazrenu. Upravnik:
Lucijano Motroni.

(DIABETES MELLITUS, etiol. & pathogen.

hypothalamus inj., case report (Ser))

(HYPOTHALAMUS, wds. & inj.

causing diabetes mellitus, case report (Ser))

(WOUNDS AND INJURIES,

hypothalamus, causing diabetes mellitus, case report (Ser))

JOSIMOVIC, Ivan

Breast cancer of men. Srpski arh. celok. lek. 83 no.11:1293-1301 Nov 55.

1. Hirursko odeljenje Opste bolnice u Prizrenu, Sef: dr. Lucijano Motroni.

(BREAST, neoplasms,
in males, ther. (Ser))

JOSIMOVIC, Ivan

Paralysis N. peroneus communis post partum. Srpski arh.
celok. lek. 84 no.4:511-514 Apr 56.

1. Hirursko odeljenje Opste bolnice u Prizrenu. Sef: Lucijano Motroni.
(NERVES, SCIATIC, paralysis
common peroneal nerve caused by delivery (Ser))
(PARALYSIS
common peroneal nerve, caused by delivery (Ser))
(DELIVERY, compl.
paralysis of common peroneal nerve (Ser))

JOSIMOVIC, Ivan

Peritonitis chronica incapsulans; 2 case reports. Srpski
arh. celok. lek. 85 no.3:299-303 Mar 57.

1. Hirursko odelenje Opste bolnice u Prisremu. Sef: dr.
Lucijano Motroni.

(PERITONITIS, case reports
chronica fibrosa encapsulans (Ser))

JOSIMOVIC, Ivan

A rare case of postpartum intestinal invagination. Srpski
arh. celok. lek. 87 no.11:1068-1070 N '59.

1. Odeljenje za hirurgiju i ginekologiju Opste narodne bolnice
u Ivangradu, sef: dr Ivan Josimovic.

(PUERPERIUM compl.)

(INTUSSUSCEPTION case reports)

JOSIMOVIC, Ivan, dr.

Pallor hyperthermia syndrome. Srpski arh. celok. lek. 89 no.2:209-212
F '61.

1. Hirursko odeljenje Opste narodne bolnice u Ivangradu. Nacelnik:
dr. Ivan Josimovic.

(RESUSCITATION in inf & child)
(SURGERY OPERATIVE in inf & ch'ld)
(PALLOR in inf & child)
(FEVER in inf & child)

YUGOSLAVIA

JOSIMOVIC, Ivan, Surgical Department (Hirursko Odeljenje),
General Hospital (Opsta Bolnica), Ivangrad.

"A Case of Rupture in Primary Carcinoma of the Liver."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No
12, December 1962, pp 1221-1223.

Abstract: [Author's French summary] The rupture was of an
epithelioma in a man of 51. The intrahepatic
hematoma, formed by vascular erosion, had given way to
the rupture after a light shock (abrupt contraction of the
abdominal musculature in the course of felling a tree).
The acute abdominal syndrome was absent, despite an impor-
tant hemoperitoneum. Case cured.

References to 9 recent works, mainly French.

1/1

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YUGOSLAVIA

APPROVED FOR RELEASE: 08/10/2001

Ivan JOSIMOVIC, Department of Surgery of General Hospital
(Odeljenje Opste bolnice) Ivangrad; Chief (Sef) Dr Ivan JOSIMOVIC.

"Two Cases of Acute Porphyria."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 91, No 2, Feb 63;
pp 199-203.

Abstract [French summary modified]: Case reports of 2 women in whom
acute attacks of porphyria appeared in connection with pregnancy.
Correct diagnosis after brief puzzlement; treatment with chlorpromazine
reserpine and steroids; relatively smooth recovery. Discussion of
published data on disease. Two Yugoslav, 4 Western references.

1/1

YUGOSLAVIA

JOSIMOVIC, Ivan, Dr.: Chief of the Department of Surgery of the
General Hospital of Bijeljina (Sef: Hirursko odeljenje Opste bolnice
"Bijeljina", Bijeljina.

L 18284-63

EPF(n)-2/EWT(n)/BDS AFETC/ASD/AFWI/SSD P-4

ACCESSION NR: AP3001950

Y/0001/63/000/006/1016/1021

AUTHOR: Gal, Olga (Eng., Higher Professional Associate);
Josimovic, Ljubica (Dipl. Phys. Chem. Assistant)

TITLE: Chemical dosimetry of high reactor radiation doses. Report to the Tenth Consultative Meeting of Chemists of People's Republic of Serbia held in Belgrade in January of 1963

SOURCE: Tehnika, no. 6, 1963, 1016-1021

TOPIC TAGS: dosimetry, oxalic acid dosimeter, reactor radiation, radiation chemical effect

ABSTRACT: The authors survey various kinds of primary and induced radiation in different working parts of a reactor and point out the difficulties in the theoretical and experimental determination of radiation doses. Among chemical dosimeters they preferred from the point of view of simplicity and reliability, the dosimeter made of aqueous solution of oxalic acid. The oxalic acid decomposes into carbon dioxide and water and the dose is determined by the disappearance of the oxalate ion. The dosimeter was developed in the Boris Kidric Institute

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L 18284-63

ACCESSION NR: AP3001950

and initial measurements were made in the graphite columns of French reactors. The present work was carried out in the 6.5 Mw reactor RA in Vinca and the article contains curves of absorbed radiations within various columns of the reactor. The upper limit of the measured absorbed radiation is 1.6×10^8 rad. The number of charges is determined by simple analytic procedure, and reactor radiations fail to induce radioactivity in the dosimeter material (C, O, and H). The yield due to radiation-chemical effects was determined by comparison with simultaneous calorimetric measurements of the total absorbed energy. Fig. 6 of Enclosure 1 shows good agreement of parallel chemical and calorimetric radiation measurements of the reactor. The oxalic dosimeter measurements also show good reproducibility. The authors attempted to increase the maximum possible measured dose by using solid oxalic acid. This would also reduce the amount of gases due to the radiolysis of water. Preliminary results are given in Fig. 9 of Enclosure 2. Further increases in acceptable doses should be possible by using ammonium oxalate which was found to decompose up to 100 times more slowly than oxalic acid. The use of lithium oxalate is planned for the thermal column of the reactor since the ${}^6\text{Li}$ (n, α) T nuclear reaction could measure the total thermal neutron flux. The

Card 2/3

L 18284-63

ACCESSION NR: AP3001950

main problem during the use of solid oxalic acid was its thermal decomposition at a relatively low temperature (185° C). Orig. art. has 9 figures.

ASSOCIATION: Laboratorija za radijacionu hemiju Instituta "Boris Kidric"
Beograd-Cinca (Laboratory of Radiation Chemistry of the Institute "Boris Kidric")

SUBMITTED: 00

DATE ACQ: 28 Jun 63

ENCL: 02

SUB CODE: NS

NO REF SOV: 000

OTHER: 002

Card 3/63

GAL, Olga, visi strucni saradnik (Beograd, Jevremova 14); JOSIMOVIC,
Ljubica, asistent

Chemical dosimetry of high doses of reactor radiation.
Tehnika Jug 18 no.6:Suppl.:Radioizotopi zrac 2 no.6:1016-
1021 Je '63.

1. Institut "Boris Kidric", Laboratorija za radijaciomu
hemiju, Vinca.

GAL, O.; JOSIMOVIC, Lj.

Chemical dosimetry of high doses of reactor radiations;
abstract. Glas Hem dr 27.no.9/10:547-548 '64

1. The Boris Kidric Institute of Nuclear Sciences, Department of Radiation Chemistry, Belgrade-Vinca.

JOSIP, Ahel

Consignment and delivery of freight at Rijeka Harbor. Medun transp
8 no.6:413-415 Je '62.

JOSIP, Ahel

Legal consequences of the nondelivery of freight separately
and according to the bills of lading on the part of the
shipmaster (mixing of freight). Medun transp 8 no.11:786-787
N '62.

JOSIPOVIC, R.

Some hidden possibilities for better management of the economy in units.
p. 855.

VOJNO-TEHNIKI GLASNIK. Beograd, Yugoslavia. Vol. 9, no. 11, Nov. 1975.

Monthly List of East European Accessions (SEAI) LC, Vol. 8, no. 7, Sept. 1959.

Uncl.

JOSIPOVIC, Vladan, dr.; LAMBIC, Ivan, dr.; LEVNTAL, Zdenko, dr.; BRODIC,
Mladen, dr.

Four cases of lymphogranulomatosis with rare clinical picture. Med.
pregl., Novi Sad 7 no.5:394-400 1954.

1. IV Interna klinika Medicinskog fakulteta - Beograd. Upravnik:
prof. dr. C.Plavsic. Patolosko-anatomski institut Medicinskog
fakulteta, Beograd. Upravnik: Prof. dr. K.Sahovic.
(HODGKIN'S DISEASE, pathol.)

JOSIPOVIC, Vladan S., dr.

Biological false-positive serological reactions in subacute bacterial endocarditis. Med. glasn. 8 no.9:313-316 Sept 54.

1. IV. Interna klinika Medicinskog fakulteta u Beogradu (upravnik prof. dr. C.Plavsic.)

(ENDOCARDITIS, SUBACUTE BACTERIAL
false-positive reactions in)

(SYPHILIS, diag.

serodiag., false-positive reactions in subacute
bact. endocarditis)

JOSIPOVIC, Vladan;asist.dr; DJORDJEVIC, Bosidar, C.;prof.dr; PLAVSIC, Cedomil, prof.dr.

Parietal aneurysm of the heart; electrocardiographic and roentgenographic diagnosis. Srpski arh.celok.lek. 77 no.12:1594-1606 Dec. '54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu. Uprawnik: prof. dr Cedomil Plavsic.

(HEART, aneurysm,

ECG & x-ray diag.)

(ELECTROCARDIOGRAPHY, in various diseases,
heart aneurysm)

(ANEURYSM,

heart, ECG & x-ray diag.)

STRASER, Toma, asist. dr.; JOSIPOVIC, Vladan, asist. dr.; DJORDJEVIC,
Bozidar S., doc. dr.

Personal experiences in cortisone and ACTH therapy of rheumatic
fever. Srp arhiv lekar 82 no.4:522-532 Ap '54. (KUAL 3:?)

1. IV Interna klinika Medicinskog fakulteta u Beogradu. Upravnik:
prof. dr. Cedomil Plavsic. (Rad je Urednistvo primilo 29-V-1953 god.)
(RHEUMATIC FEVER, ther. (ACTH, ther. use
*ACTH & cortisone) *rheum. fever)
(CORTISONE, ther. use
*rheum. fever)

JOSIFOVIC, Vladan

DJORDJEVIC, Bosidar S., doc. dr.; KORAJKIC, Beslaga, dr.; JOSIFOVIC,
Vladan, dr.

Personal experiences in heparin (liquasmin) therapy of angina
pectoris. Srpski arh. selok. lek. 82 no.5:573-580 My '54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu. Upravnik:
prof. dr. Cedomil Flavsic.

(ANGINA PECTORIS, ther.

*heparin)

(HEPARIN, ther. use

*angina pectoris)

JOSIPOVIC, Vladan

JOSIPOVIC, Vladan, asist. dr.

Paroxysmal ventricular tachycardia as a result of an old myocardial infarct. Srpski arh. celok. lek. 82 no.5:643-651 My '54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu; upravnik: prof. dr. Cedomil Flavšic. (red. je Uredništvo primilo 29.XI.1953 god.)

(MYOCARDIAL INFARCT, compl.

*tachycardia, paroxysmal ventric.)

(TECHYCARDIA, PAROXYSMAL

*ventric., caused by myocardial infarct)

JOSIPOVIC, Vladan, asist. dr.

Massive infestation with Taenia saginata in woman. Srpski arh. celok.
lek. 82 no.6:826-827 June 54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu, upravnik
prof. dr. Cedomil Plavsic.
(TAPEWORM INFECTION
Taenia saginata)

JOSIPOVIC, Vladan S.

Personal experiences in quinidine therapy of auricular fibrillation.
Srpski arh. celok. lek. 82 no.7-8:940-951 July-Aug 54.

1. IV Interna klinika Medicinskog fakulteta u Beogradu, upravnik,
prof. dr. Cedomil Plavsic.

(AURICULAR FIBRILLATION, ther.

quinidine)

(QUINIDINE, ther. use

auric. fibrill.)

JOSIPOVIC, Vladan

ATANACKOVIC, Ana, dr ; JOSIPOVIC, Vladan

Heart in infectious diseases. Med.glasn. 9 no.6:214-218 June '55.

1. IV Interna klinika Medicinskog fakulteta u Beogradu (Upravnik
prof. dr C. Plavsic).

(HEARTH, in various diseases,
communicable dis.)

(COMMUNICABLE DISEASES, pathology
heart)

JOSIPOVIC, V.; LAZOVIC, V.

Partial embolic infarcts of myocardium during subacute bacterial endocarditis. Srpski arh. celok. lek. 83 no.4: 502-509 Apr 55.

1. IV Interna klinika Medicinskog fakulteta u Beogradu.
Upravnik: Cedomir Plavisić.

(ENDOCARDITIS, SUBACUTE BACTERIAL, compl.
partial embolic myocardial infarct. (Ser))
(MYOCARDIAL INFARCT, compl.
subacute bact. endocarditis (Ser))

JOSIPOVIC, VLADAN

KUZMANOVIC, Branislav; DJORDJEVIC, Bozidar; ~~JOSIPOVIC, Vladan~~
MEDJEDOVIC, Veljko; ARAMBASIC, Milan

Syndrome of superior vena cava. Srpski arh. celok. lek. 85
no.1:17-29 Jan 57.

1. Interna B klinika Medicinskog fakulteta u Beogradu
Upravnik: prof. Radivoje Berovic.

(VENAE CAVAE, dis.
obstruct., clin. aspects (Ser))

JOSIPOVIC, Vladan, doc. dr.

Physiology of the kidney. Med. glasn. 13 no.8-9:402-406 Ag-S '59.
(KIDNEYS physiol.)

JOSIPOVIC, Vladan, doc. dr

Anabolic steroids in clinical practice. Med.glasn. 14 no.6:350-351
Je '60.

1. Interna klinika B Medicinskog fakulteta u Beogradu (Upravnik:
prof. dr R.Berovic)
(STERIODS ther)
(KIDNEY DISEASES ther)

JOSIPOVIC, Wladan

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: Docent,

Affiliation: Internal Clinic "B" of the Medical Faculty (Interna Klinika
"B Medicinskog Fakulteta"), Belgrade; Director (Upravnik): Prof
R BEROVIC, M D

Source: Belgrade, Galenika, Vol 8, No 2, June 1961, pp 33-41

Data: "The Problem of Elevated Level of Cholesterol in the Blood"

279

STOJANOVIC, V.; JOSIPOVIC, V.; MARKOVIC, A.; NEDELJKOVIC, D.; ANOJCIC, S.;
PROKIC, D.

Dry heart surgery at a normal temperature without extracorporeal
circulation. Acta chir. Iugosl. 9 no.1:17-25 '61.

1. II hirurška klinika (Upravnik prof. dr V.K.Stojanovic) i Interna
klinika "B" (Upravnik prof. dr R. Berovic) Medicinskog fakulteta u
Beogradu.

(HEART SURGERY)

DORDEVIC, B. S.; NEDELJKOVIC, S.; JOSIPOVIC, V.

Paroxysmal ventricular tachycardia in the course of acute myocardial infarct. Acta med. iugosl. 15 no.2:153-167 '61.

(MYOCARDIAL INFARCT physiol.)

(TACHYCARDIA PAROXYSMAL physiol.)

NEDELJKOVIC, Srecko, dr; JOSIPOVIC, Vladan, doc., dr; DURIC, Vukosava, dr;
SPUZIC, Ivan, dr; PETRASKOVIC, Dragoslav, dr; VIJIC, Ljubica, dr

Myocardial infarct in subjects under 40 years of age. Med. glas. 15
no.3:139-144 Mr '61.

1. Interna klinika B. Medicinskog fakulteta u Beogradu (Upravnik: prof.
dr R. Berovic) I Dom narodnog zdravlja u Beogradu (Upravnik: dr
S. Jancic) Opsta bolnica u Bihacu (Upravnik: dr M. Tatlic)

(MYOCARDIAL INFARCT case reports)

JOSIPOVIC, Vladan, dr., doc.

Acute venous thrombosis. Med. glasn. 15 no.9/10:380-384 O '61.

1. Interna klinika B Medicinskog fakulteta u Beogradu (Upravnik:
prof. dr R. Berovic)

(THROMBOPHLEBITIS)

JOSIPOVIC, V.; PAPO, I.; CURCIC, M.; FAJGELJ, I.; LUKACEVIC, D.; MIHAILOVIC, D.

Myxoma of the right atrium successfully treated by a surgical method. Acta chir. Iugosl. 10 no.3:261-272 '63

1. Interna klinika B Medicinskog fakulteta u Beogradu
(Upravnik: prof.dr. R.Berovic), Hirurska klinika (Nacelnik:
gen. prof. dr. I. Papo) i Institut za radiologiju (Nacelnik:
puk. prof. dr. M. Curcic) Vojnomedicinske akademije u Beogradu.

NEDELIJKOVIC, S.; STOJANOVIC, V.; DRAGOJEVIC, D.; JOSIPOVIC, V.; ANOJCIC, S.

Trans-septal catheterization of the left heart--preliminary results.
Acta chir. Iugosl. 12 no.1:1-11 '65.

1. Interna klinika B (Upravnik prof. dr. R. Berovic) i II hirurska
klinika (Upravnik prof. dr. V.K. Stojanovic) Medicinskog fakulteta
u Beogradu.

BUKUROV,Stanislav; JOSIPOVIC,Zivojin

Ileo-ileal retrograde invagination in the aged. Srpski arh.
celok. lek. 87 no.7-8:711-715 JI-Ag '59.

1. I Hirurska klinika Medicinskog fakulteta u Beogradu, upravnik:
prof. dr Bogdan Kosanovic.
(INTUSSUSCEPTION in old age)

GLIDZIC, V.; DORDEVIC, R.; GRIL, D.; JOSIPOVIC, Z.

2 cases of injuries of the rectum caused by acts of sodomy. Acta chir. iugosl. 7(8) no.3:258-262 '60.

1. I. Hirurska klinika medicinskog fakulteta u Beogradu (Upravnik prof. dr B.Kosanovic) Hirursko odeljenje Opste bolnice u Gacku (Sef dr D.Gril) i Institut za sudsku medicinu Medicinskog fakulteta u Beogradu (Upravnik prof. dr J.Bogicevic)
(RECTUM wds & inj)
(SEX DEVIATION)

SVARC, P.; JAKUBEC, Z.; JOSIPOVIC-GUMBOLD, I.

Increased sensitivity of various Salmonella strains to bismuth;
description of a modification of Wilson-Blair agar method for the
elimination of inhibitory effect of bismuth (balanced agar sulfite)
Acta med. iugosl. 9 no.2-3:198-205 1955.

1. Pokrajinska medicinsko-istrasivacka laboratorija, Novi Sad.
(SALMONELLA, culture,
Wilson-Blair agar, prev. of different bact.
sensitivity by chem. balancing. (Ser))
(BISMUTH,
sulfide agar, chem. balancing in prev. of varying
sensitivity in Salmonella strains. (Ser))
(CULTURE MEDIA,
for Salmonella strains, chem. balancing of Wilson-
Blair agar in prev. of varying sensitivity. (Ser))

CZECH

Steroids. X. Dimethylamino derivatives of ello-
pregnane. J. J. Jaska, Václav Černý, and F. J. Jaska
(Inst. Org. Chem. Czech. Acad. Sci., Prague). *Collection
Czechoslov. Chem. Commun.* 19, 531-3 (1954) (in English).
See C.A. 49, 358d. E. J. C.

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances and Their Synthetic Analogues. E-3

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26969.

Author : Jóska, Jiří; Šorm, František.

Inst :

Title : Steroids. XX. Some Nitrogen Containing Analogues of Androgenous Hormones.

Orig Pub: Chem. listy, 1955, 49, No. 11, 1687 - 1692;
Sb. chekhosl. khim. rabot, 1956, 21, No. 3,
754 - 760.

Abstract: Δ^4 -3 ξ -17 β -diaminoandrostene (I), Δ^4 -3- ξ amino-17 β -oxyandrostene (II), the same hydrogenated to 3 β -amine-17 β -oxyandrostane (III), 3 β -amine-17 β -oxyandrostane (IV) and Δ^4 -3 ξ -aminoandrostene (V) were obtained by reducing oxides of corresponding keto-derivatives.

Card 1/6

CZECHOSLOVAKIA/Organic Chemistry. Natural Substances E-3
and Their Synthetic Analogues.

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26969.

I to V do not possess any physiological activity. By heating Δ^5 -androstene-3 β -one-17 (5 hours, 175°) 10 hours with 8 g of formamide and 12 ml of 80%-ual HCOOH, Δ^4 -17 β -formilaminoandrostene-3 β was prepared, yield 70%, melting point 260 to 265° (from dioxane), from which Δ^4 -17 β -formilaminoandrostene-3, melting point 221 to 222° (from ethylacetate), $[\alpha]_D^{20} + 86^\circ + 3^\circ$ (c 1.9; chlorof.), was produced (yield 73%) by oxidation with cyclohexanone in presence of Al isopropylate in toluene at 150°. By boiling this product 2 hours with alcohol containing 20% of HCl, chlorhydrate of Δ^4 -17 β -aminoandrostene-3, melting point 333 to 335° (dis-soc., from water), was received, which produced

Card 2/6

COUNTRY : Czechoslovakia 1-5
 CATEGORY :
 ABS. JOUR. : AZKhim., No. 22 1958, No. 78719
 AUTHOR : Joska, J. and Sorm, F.
 INST. : Not given
 TITLE : Steroids. XXXVIII. Synthesis of Δ^5 -B-norandros-
 tenol-3 β -one-17.
 ORIG. PUB. : Chem Listy, 52, No 9, 1780-1783 (1958); Collec-
 tion Czechoslov Chem Commun, 23, No 7, 1377-1381
 ABSTRACT : A solution of 20 gms Δ^5 -B-norcholestenol-3
 acetate in 100 ml dichloroethane is mixed for
 15 min and with cooling with a solution of pyri-
 dinetetrabromide (prepared from 2.9 ml of Br and
 2.2 ml pyridine in 100 ml dichloroethane), the
 solution is allowed to stand for 20 hrs at -15°,
 after which the product is oxidized at 16-20°
 with a solution of 52 gms CrO₃ in 60 ml water,
 45.5 ml conc H₂SO₄, and 240 ml CH₃COOH, and the
 excess CrO₃ is reduced with cooling by adding
 CARD: 1/8
 (1958)

COUNTRY : Czechoslovakia 1-2
 CATEGORY :
 ABS. JOUR. : AZKhim., No. 22 1958, No. 78719
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : 40 ml CH₃OH. Following filtration of the solu-
 tion, the filtrate is treated with 3.5 gms NaOH
 in 7 ml water and 20 gms Zn-dust, the solution
 is stirred for 1 hr at 25°, and filtered after
 14 hrs; the filtrate is concentrated under vac-
 uum at 45° to 400 ml, diluted with 200 ml water,
 and extracted with C₆H₆. After extraction with
 NaOH (3 60-ml portions of 15% solution) and the
 usual treatment, the benzene layer yields 8.7 gms
 of neutral fraction. This fraction is dissolved
 CARD: 2/8

COUNTRY : Czechoslovakia
CATEGORY :

G-5

ABS. JOUR. : RZKhim., No. 22 1959, No.

78719

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : semicarbazone of the acetate of Δ^3 -B-norandros-
tenol-3 β -one-17 (I), mp 264-266°. A solution
of 0.25 gm I in 3 ml CH_3COOH and 0.7 ml of 30%
 CH_2O are heated for 1 hr at 65°, and the solution
is poured into water and extracted with ether;
0.19 gm of the acetate of Δ^3 -B-norandrosteno-
l-3 β -one-17 (II) ketol, mp 135-136° (from CH_3OH)
is obtained, $[\alpha]_D^{20} -52 \pm 3^\circ$ (c = 3.1). A solu-
tion of 0.1 gm of the acetate of II in 5 ml
 CH_3OH is refluxed for 1 hr in a stream of N_2 with

CARD: 4/8

135

COUNTRY : Czechoslovakia
CATEGORY :
APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619710003-4"

ABS. JOUR. : RZKhim., No. 22 1959, No.

78719

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : 0.12 gm NaOH in 2 ml CH_3OH ; 0.08 gm of II is ob-
tained, mp 140-141° (from benzene of bp 139-140°),
 $[\alpha]_D^{20} -55 \pm 3^\circ$ (c = 2.6). A second procedure
for the preparation of II starts with the acetate
of Δ^3 -androsenol-3 β -one-17 (III). 10 gms of
III in 100 ml CH_3COOH are oxidized for 1 hr at
55° with a solution of 8.2 gms CrO_3 in 20 ml 50%
 CH_3COOH , the excess CrO_3 is reduced after 1 hr
with CH_3OH , the solution is concentrated under
vacuum at 40°, diluted with water, and extracted

CARD: 5/8

COUNTRY	:	Czechoslovakia	4-2
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 22 1950, No.	78719
AUTHOR	:		
INFO.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	<p>and 2 ml C_6H_5COCl is allowed to stand 48 hrs, poured into water, the resulting solution is extracted with ether, and the ether extract is washed with a 20% solution of NaOH. Application of the usual procedure gives 1.5 gms of the lactone of β-acetoxy-5-hydroxy-5,6-seco[seco?]-Δ^4-6-androstenic acid (V), mp $172-173^\circ$ (from CH_3OH), $[\alpha]_D^{20} -31+3^\circ$ ($c = 2.6$), which on heating for 15 min to 190° gives a 90% yield of II. A mixture of 0.2 gm V in 50 ml CH_3OH and 0.8 gm</p>	
CARD:		7/8	

JOSKA, J.; FAJKOS, J.; SORM, F.

Steroids. L. Analogues of androgens with the B-norsteroid skeleton.
Coll Cz Chem 25 no.4:1086-1090 Ap '60. (EEAI 9:12)

1. Department of Natural Products, Institute of Chemistry,
Czechoslovak Academy of Science, Prague.
(Steroids) (Androgens) (Norsteroids)

JOSKA, J.; FAJKOS, J.; SORM, F.

Steroids. LI. Derivatives of 5α - and 5β -norandrostane, Coll Gz
Chem 25 no.9:2341-2357 S '60. (ERRAI 10:9)

1. Department of Natural Products, Institute of Chemistry, Czechoslovak Academy of Science, Prague.

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(Androgens)

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